KRAPIVIN, M.G.; BELOV, V.T.

Testing the cutter bar on a drum-type actuator of a cutter-loader for stone drifting. Trudy NPI 158:3-14 '64.
(MIRA 18:11)

KRAPIVIN, M.G.; SHIPOVSKIY, I.A.

Investigating forces in coarse chip sandstone cutting with the cutter of a coal cutter-loader. Trudy NPI 158:15-26 '64. (MIRA 18:11)

MIKHAYLOV, V.G.; KRAPIVIN, M.G.; SIDOROV, S.I.

Study of cutters and conditions of drilling with manual electric drills. Sbor.nauch.trud.UkrNIISol' no.6:52-54 '62. (MIRA 17:3)

SIDOROV, S.I.; GIRNATOV, V.G.; KRAVCHIK, M.G.

Drilling holes in rock salt using the tri-drill with mechanical feed. Sbor. nauch. trud. UkrNIISol' no.7:47-48 '64.
(MIRA 18:2)

Investigations to determine the basic parameters of long-stroke drills for the drilling of rock salt. Ibid.:49-54

KRAPIVIN, M.G., dotsent; MANAKOV, V.M., inzh.; RAKOV, I.Ya., inzh.

Investigating some parameters of multi-blade rotary cutters for rocks. Izv. vys. ucheb. zav.; gor. zhur. 7 no.11:87-93 '64. (MIRA 18:3)

1. Novocherkasskiy politekhnicheskiy institut. Rekomendovana kafedroy gornykh mashin.

KRAPIVIN, M.G., dotsent; SHIPOVSKIY, I.A., inzh.

Investigating rotary cutters for actuating mechanisms of stone drifting cutter-loaders. Izv.vys.ucheb.zav.; gor.zhur. 7 no.12: 65-72 '64. (MIRA 18:2)

1. Novocherkasskiy politekhnicheskiy institut. Rekomendovana kafedroy gornykh mashin.

SOV/78-3-9-17/38

AUTHORS: Fomin, V. V., Mayorova, Ye. P., Krapivin, M. I., Yudina, V. G.

TITLE: The Extraction of Plutonium-(IV) With Tributyl Phosphate (Ekstraktsiya plutoniya (IV) tributilfosfatom) I. The Dependence of the Distribution Coefficient on the Concentration of Tributyl Phosphate (I. Zavisimost' koeffitsiyenta raspredeleniya ot kontsentratsii tributilfosfata)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 9, pp 2113-2116 (USSR)

ABSTRACT: The dependence of the distribution coefficient in the extraction of plutonium-IV compounds with tributyl phosphate was investigated. In the calculation of the distribution coefficient the term "true distribution coefficient" was introduced. The distribution coefficient for n-experiments is given in the case of subsequent extractions taking into account the apparent and the true distribution coefficient by the equation (11):

$$\alpha^{(n)} = \frac{\alpha^{o}(1 - p)}{(1-p)+p(\alpha^{o}+1)^{2}} \qquad (11)$$

Card 1/2 The extraction of plutonium-IV compounds was carried out with a

The Extraction of Plutonium-(IV) With Tributyl Phosphate. I. The Dependence of the Distribution Coefficient on the Concentration of Tributyl Phosphate

1,5 mol solution of tributyl phosphate in benzene at 2,0 mol HNO_3. The true distribution coefficient of plutonium was calculated from the experimental results for the determination of the distribution coefficient of plutonium with concentrated tributyl phosphate. The not extracted residue was investigated with respect to the α-radiation, and it was found that besides Pu^{239} also Am^{241} exists. There are 2 figures, 2 tables, and 2 references, 1 of which is Soviet.

SUBMITTED: August 3, 1957

KRAPIVIN N. F.

N. F. Krapivin et al, Planirovaniye i ucet stroitel'nykh i remontnykh rabot na mestnykh dorogakh. /Planning and Accounting of Construction and Maintenance Work on Local Roads/, Dorizdat, 15 sheets

Discusses the methods of planning, accounting, reporting and analysis of economic activity at road-machine stations, mechanized quarries, rayon road departments, oblast road departments, highway administrations, and the like.

Intended for road workers on the main system of highway administrations, as a manual in the planning and analysis of the economic activity of road organizations.

SO: U-6472, 23 Nov 1954

GRYUNBERG, Aleksandr Ivanovich; NIKIFOROV, Nikolay Sergeyevich; KRAPIVIN, N.F., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiy redaktor.

[Analysis of the management of a road-machinery station] Analiz khoziaistvennoi deiatel'nosti mashinodorozhnoi stantsii. Moskva, Nauchno-tekhn.izd-vo avtotransp. lit-ry, 1955. 114 p.(MLRA 8:11)
(Road construction)

KRAPIVIN, N.G.

Estrogen content in young women following removal of the ovaries. Sbor. nauch. rab. Kaf. akush. i gin. GMI no.2:102-103 '60. (MIRA 15:4)

1. Iz kafedry akusherstva i ginekologii pediatricheskogo fakul'teta (zav.kafedroy - doktor med.nauk S.S.Dobrotin) Gor'kovskogo meditsinskogo instituta im. S.M.Kirova.

(OVARIES--SURGERY) (ESTROGENS)

KRAFIVIN, N.I., assistent

Damping of torsion vibrations in [illegible].
Nauch. trudy MTILP no.27:216-231 '63.

1. Kafedra mashin i apparatov [illegible] instituta legkoy promyshlennosti.

KRAPIVIN, N.I., starshiy prepodavatel'; KOMISSAROV, A.I., kand. tekhn. nauk, dotsent

Design of the counterweights of the crankgear mechanisms of sewing machine needles. Nauch. trudy MTILP no.30:229-240 '64. (MIRA 18:6)

1. Kafedra mashin i apparatov Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

KRAPIVIN, N. N.:

KRAPININ, N. N.: "Graphic illustrations in physics homework." Min Education RSFSR. Moscow State Pedagogical Inst imeni V. I. Lenin. Moscow. 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN PEDAGOGICAL SCIENCES)

Knizhnaya letopis'
No. 35, 1956. Moscow.

KRAPIVIN, N.N. (g.Lipetsk)

Exposition of the subject "The structure of atoms" ("The structure of atoms in the school program on chemistry." T.M.Drizovskaia. Reviewed by N.N.Krapivin. Khim.v shkole 11 no.4:76-78 Jl '56. (MLRA 9:9)
(Atoms--Study and teaching) (Drizovskaia, T.M.)

KRAPIVIN, N.N.

Illustrations in physics textbooks. Fiz.v shkole 17 no.2:83-85 Mr-Ap '57. (MLRA 10:3)

1. Pedagogidheskiy institut, Lipetsk.
(Physics--Textbook)

KRAPIVIN, Nikolay Nikolayevich, starshiy prepodavatel'; DZHEMS-LEVI, G.Ye., kand.fiz.-matem.nauk, retsenzent; SHAYN, P.B., kand. tekhn.nauk, retsenzent; CHLOYAN, M., red.; KARZHAVINA, Ye., tekhn.red.

Sergei Alekseevich Chaplygin. Lipetsk, Lipetskoe knizhnoe izd-vo, 1960. 19 p. (MIRA 14:2)

1. Lipetskiy pedagogicheskiy institut (for Krapivin).
(Chaplygin, Sergei Alekseevich, 1869-1942)

KHARKVIN, V.A., inzh.; DEMIDOVA, G.A.; SVINENNIKOV, I.N.

Low-melting glazes made of raw materials not in short supply.
Stek. i ker. 22 no.12:29 D '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut khudozhestvennoy promyshlennosti.

KRAPIVIN, V.F.

ALEKSEYEV, N.A.; BELYAYEV, I.M.; KRAPIVIN, V.F.; MALINOVSKIY, I.I.

[Planning and calculating construction and repair work on local roads] Planirovanie i uchet stroitel'nykh i remontnykh rabot na mestnykh dorogakh. Moskva, Avtotransizdat, 1953. 250 p. (MLRA 7:5)
(Road construction) (Roads--Maintenance and repair)

KRAPIVIN, V.F. (Moskva)

Control of the random straying of an automaton with presence of internal noises. Izv. AN SSSR. Tekh. kib. no.4:100-106 Jl-Ag '63. (MIRA 16:11)

31102
S/199/61/002/005/006/006
B112/B138

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AUTHORS: Linkovskiy, G. B., and Krapivin, V. F.

TITLE: Numerical solution of an integro-differential equation with a quasi-linear differential operator and a generalized Volterra operator

PERIODICAL: Sibirskiy matematicheskiy zhurnal, v. 2, no.5, 1961, 797 - 800

TEXT: The authors consider an equation $L(y) - \lambda W(y) = f(x,y)$, where

$$L(y) = \sum_{i=0}^{n} p_i(x,y,y',\ldots,y^{(m_i)})y^{(n-i)} \quad (m_i < n,\ n>1)$$

and $$W(y) = \int_a^x \sum_{j=0}^{r} K_j(x,\xi)y^{(j)}(\xi)d\xi \quad (r<n).$$

The solution y is approximated as follows: For each interval $[x_k, x_{k+1}]$

Card 1/2

Numerical solution of an...

of a given subdivision of the interval $[a,b]$, a linear differential equation $\tilde{L}_k(y) = \lambda\tilde{W}_k(y) + f(x_k, \tilde{y}_k)$ is solved. The operators $\tilde{L}_k$ and $\tilde{W}_k$ are defined by

$$\tilde{L}_k[y] = \sum_{i=0}^{n} p_i(x_k, \tilde{y}_k, \tilde{y}'_k, \ldots, \tilde{y}_k^{(m_i)})\tilde{y}^{(n-i)}, \quad (7)$$

$$\tilde{W}_k[y] = \sum_{j=0}^{r} (K_{j,k,0}\tilde{y}_0^{(j)}h_0 + K_{j,k,1}\tilde{y}_1^{(j)}h_1 + + K_{j,k,2}\tilde{y}_2^{(j)}h_2 + \ldots + K_{j,k,k}\tilde{y}_k^{(j)}h_k). \quad (8)$$

The error of the method is estimated. There is one Soviet reference.

SUBMITTED: May 26, 1960

Card 2/2

KRAPIVIN, V.F.; LINKOVSKIY, G.B.

Approximate solution of the Lalescu-Picard singular integral equation. Sib. mat. zhur. 2 no.6:943-945 N-D '61. (MIRA 15:7)
(Integral equations)

KRAPIVIN, V.F., inzh.; LINKOVSKIY, G.B.

Concerning approximation methods for probability calculations of nonsymmetrical and nonsynusoidal operating conditions in electric systems. Izv. vys. ucheb. zav.; energ. 4 no.7:119-121 Jl '61.
(MIRA 14:7)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Electric networks)

YELINSON, M.I.; DOBRYAKOVA, F.F.; KRAPIVIN, V.F.; MALINA, Z.A.; YASNOPOL'SKAYA, A.A.

Concerning the theory of field emission and thermoionic field emission of metals and semiconductors. Radiotekh. i elektron 6 no.8:1342-1353 Ag '61. (MIRA 14:7)
(Field emission) (Metals--Electric properties) (Semiconductors)

KRAPIVIN, V.F.; LINKOVSKIY, G.B.

Approximate solution of the differential equation $y^{(n)} = F(x,y,y',\ldots,y^{(n-1)})$ [with summary in English]. Vest. LGU no.13:166-169 '61. (MIRA 14:7)
(Differential equations)

KRAPIVIN, V.F.

Transactions of the Sixth Conference (Cont.) SOV/6371

INFORMATION THEORY AND APPLICATIONS

Transactions of the 6th Conf. on Probability Theory and Mathematical Statistics and of the Symposium on Distributions in Infinite-Dimensional Spaces held in Vil'nyus, 5-10 Sep '60. Vil'nyus Gospolitizdat Lit SSR, 1962. 493 p. 2500 copies printed

KRAPIVIN, V. F.

"Control of random huntings and biocinematics"

report submitted for the Intl. Symposium on Relay Systems and Finite Automata Theory (IFAC), Moscow, 24 Sep-2 Oct 1962.

LINKOVSKIY, G.B.; KRAPIVIN, V.F.

Search for faults in complex systems. Izv. v/s. ucheb. zav.; energ. 5 no.3:96 Mr '62. (MIRA 15:4)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Electronic industries--Quality control)

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D295/D308

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AUTHORS: Krapivin, V.F. and Linkovskiy, G.B.

TITLE: The mean inspection time of equipment with given fault probability

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priboro-stroyeniye, v. 5, no. 4, 1962, 120-122

TEXT: The paper is concerned with the well-known problem of automating the procedure for checking and repairing multi-stage systems, the time spent on detecting the faulty condition being minimized. For a system comprising N blocks, the i-th block of which has fault probability p_i ($\Sigma p_i = 1$) and requires an inspection time t_i, the optimum search strategy (P. Bellman, Dynamic Programming, Princeton University Press, 1957) consists in starting with the block having maximum p_i/t_i ratio. Here the more general case $\Sigma p_i \leq 1$ is considered (failure to operate may also be due to external causes), and the mean search time for the optimum strategy applying in this case is evaluated:

Card 1/2

The mean inspection time ...

$$\sum_{s=1}^{N} p_s \qquad \sum_{k=1}^{N} t_k.$$

Optimum search procedures are also indicated for the following cases: When there is probability q_i of inspection leading to no information: start with minimum $t_i/p_i(1-q_i)$. When there is probability ν_i of inspection leading to a wrong conclusion and the time T_i needed for replacement is accounted for: start with minimum $[t_i + (1-\nu_i)T_i]/p_i$

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute of Radio Engineering and Electronics of the Academy of Sciences USSR)

SUBMITTED: July 18, 1961

Card 2/2

KRAPIVIN, V.F.; LINKOVSKIY, G.B.

Approximate determination of the value of a parameter being transmitted through a communication channel with added Gaussian noises and Rayleigh multiplicative noises. Izv.vys.ucheb.zav.; radiotekh. 5 no.5:620-623 S-O '62. (MIRA 15:11)

1. Rekomendovana institutom radiotekhniki i elektroniki AN SSSR.
(Information theory)

KRAPIVIN, V.F.; LINDOVSKIY, G.B.

Concerning the use of mathematical methods in electrical engineering calculations. Izv. vys. ucheb. zav.; energ. 5 no.9:117-118 S '62.
(MIRA 15:10)

(Electirc engineering)

LINKOVSKIY, Georgiy Borisovich, mladshiy nauchnyy sotrudnik; KRAPIVIN, Vladimir Fedorovich, mladshiy nauchnyy sotrudnik

Average time for locating faults in a system of electrical blocks. Izv.vys.ucheb.zav.; elektromekh. 5 no.9:1033-1043 '62. (MIRA 16:1)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Electronic industries—Quality control)

KRAPIVIN, V.F.; LINKOVSKIY, G.B.

A million of calculations per second; programming of mathematical problems. Priroda 52 no.4:64-68 '63. (MIRA 16:4)

1. Institut radiotekhniki i elektroniki AN SSSR, Moskva.
(Programming (Electronic computers))

L 40951-65 EWD-2/EWG-2/EWT(1)/EWT(t) Pl-4/Pj-4/Pk-4/Pl-4/Pm-4/Pn-4/Pac-4 WW

ACCESSION NR: AP5006599 S/0142/64/007/006/0760/0764

AUTHOR: Linkovskiy, G. B.; Krapivin, V. F.

TITLE: Energy variational problem in radar detection within the continuous search zone

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 6, 1964, 760-764

TOPIC TAGS: radar, radar detection

ABSTRACT: Based on B. O. Koopman's classic work (Operations Res., 1956, v. 1, no. 4, 324), this isoperimetric problem is formulated and theoretically solved: Given that the signal exists continuously in the $Z(z_1, z_2)$ frequency band, the place z of signal occurrence is random, the probability density $f(z)$ of signal is nonuniform, and the energy expenditure E_z for search is specified

$\int_{z_1}^{z_2} E(z)\,dz = E_z;\ E(z) > 0$, find the energy $E(z)$ spent for searching the signal which

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ACCESSION NR: AP5006599

would maximize the density of probability of signal detection $P(E) = \int_a^b |f(t)s[E(t)]|dt$.
Orig. art. has: 25 formulas.

ASSOCIATION: none

SUBMITTED: 12Nov62 ENCL: 00 SUB CODE: EC, DC

NO REF SOV: 001 OTHER: 006

Card 2/2 MB

KRAPIVIN, Vladimir Fedorovich

[Wald's distribution tables] Tablitsy raspredeleniia Val'da. Moskva, Nauka, 1965. 183 p. (MIRA 18:9)

L 58540-65

ACCESSION NR: AP5012873 UR/0280/65/000/002/0025/0034 17 B

AUTHOR: Flayshman, B. S. (Moscow); Krapivin, V. F. (Moscow)

TITLE: Procedure of selecting a multivariable parameter on a digital computer

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1965, 25-34

TOPIC TAGS: digital computer

ABSTRACT: This is a continuation of one of the authors' previous works where a time-saving procedure of simultaneous scanning of N_i values of individual components b_i was set forth; the unknown parameter $b = (b_1, b_2, \ldots, b_k)$ and each component b_i can take on one of N_i possible values. The present article determines the probabilities of (a) idle time of devices intended for selecting the true value of components of the vector parameter and (b) overflow of the storages in these devices. Also, necessary storage capacities are determined for the computer evaluation of a multivariable parameter by means of two models:

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ACCESSION NR: AP5012873

(a) with a constant waiting time and (b) with a constant number of "candidates" (number of variants analysed). An examination of the resulting estimates shows that the additional storage capacity and time delays needed for reliable realization of these procedures are insignificant as compared to the basic storage capacity and the total worktime calculated from an average harmonization of flows of the variants going from one device over to another. It is pointed out that a linear relation exists between the machine time T and the number N of different values of individual components and their total number Kj in the simple scanning case: $T \sim N^{K}$. Orig. art. has: 2 figures, 52 formulas, and 3 tables.

ASSOCIATION: none

SUBMITTED: 08Apr64 ENCL: 00 SUB CODE: DP

NO REF SOV: 006 OTHER: 000

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Card 2/2

L 61603-65 EWT(d) IJP(c)

ACCESSION NR: AP5016966 UR/0280/65/000/003/0017/0023 19

AUTHOR: Fleyshman, B. S. (Moscow); Krapivin, V. F. (Moscow) 16 B

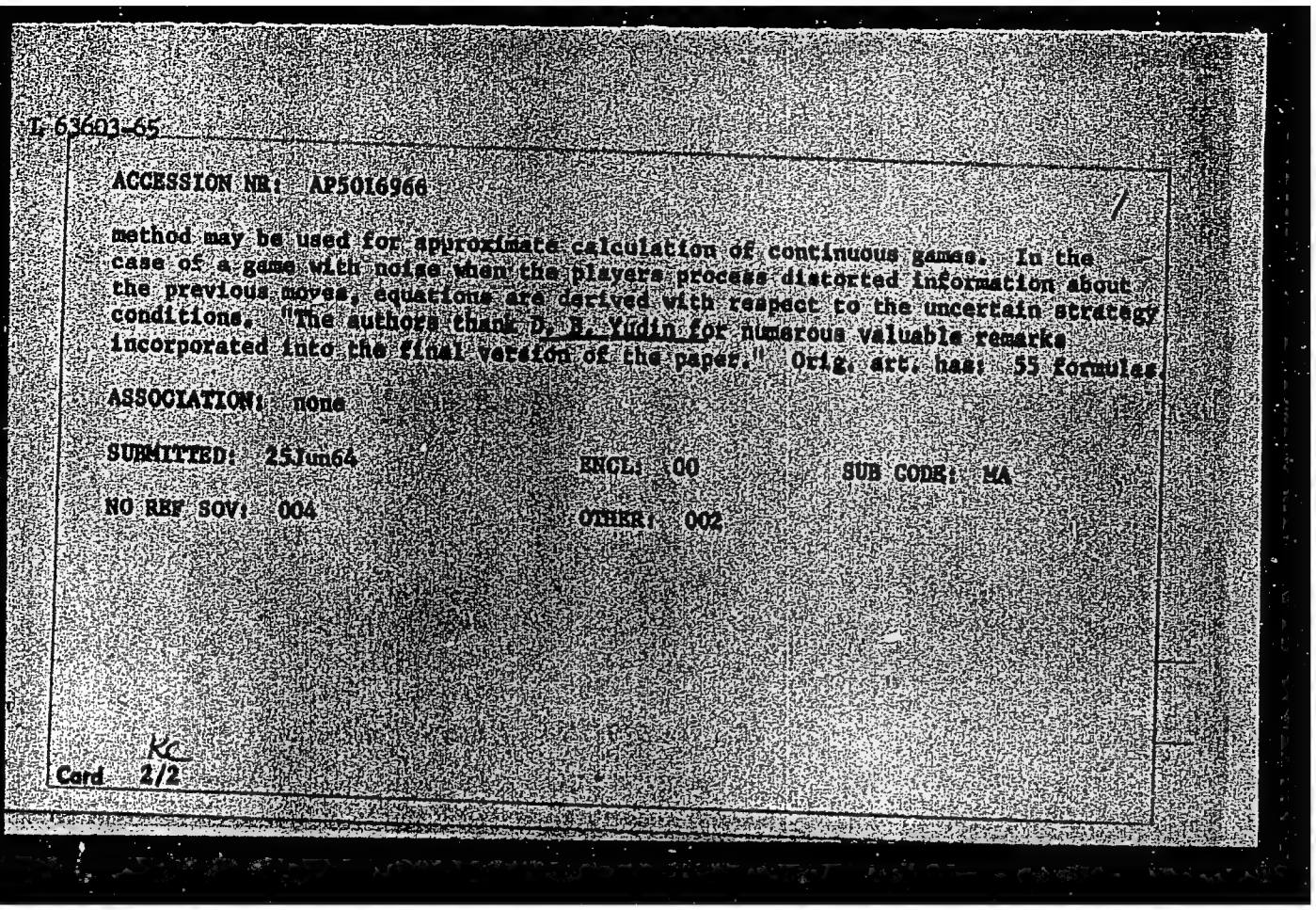
TITLE: Regular method for the solution of games with a sectionally constant gain function

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 3, 1965, 17-23

TOPIC TAGS: game solving method, gain function, optimum game strategy, game theory 16

ABSTRACT: There are numerous calculational methods for finding the optimum strategy in various types of games (separable games, convex gain functions, etc.). The present paper outlines a regular method for the solution of games with sectionally constant gain functions, yielding expressions for optimum strategy in terms of the initial parameters of the problem. It is applied to the case of two players with a null sum, the gain function depending on the difference of the arguments, and the solution is obtained through finite difference equations with respect to mixed strategies. The particular solution is found for the special class of four-step gain functions; the calculated optimum mixed strategies are also valid for the general case. Under certain circumstances, the

Card 1/2



L 63603-65

ACCESSION NR: AP5016966

method may be used for approximate calculation of continuous games. In the case of a game with noise when the players process distorted information about the previous moves, equations are derived with respect to the uncertain strategy conditions. "The authors thank D. B. Yudin for numerous valuable remarks incorporated into the final version of the paper." Orig. art. has: 55 formulas.

ASSOCIATION: none

SUBMITTED: 25Jun64 ENCL: 00 SUB CODE: MA

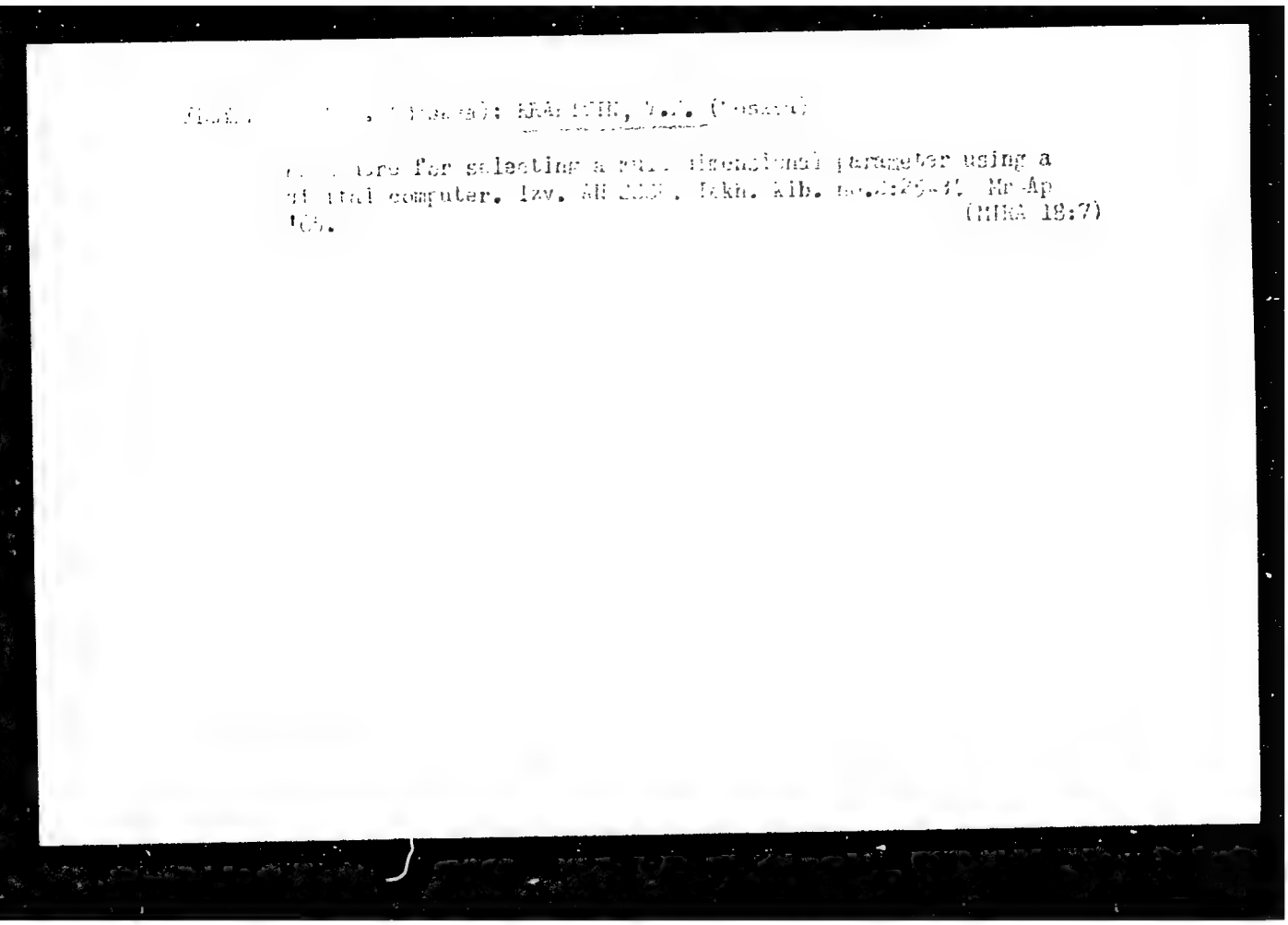
NO REF SOV: 004 OTHER: 002

Card 2/2

YELINSON, M.I.; ZHDAN, A.G.; KRAPIVIN, V.F.; LINKOVSKIY, Zh.B.; LUTSKIY, V.N.; SANDOMIRSKIY, V.B.

Theory of a "noncontact" version of the emission of hot electrons from semiconductors. Radiotekh. i elektron. 10 no.7:1288-1294 Jl '65. (MIRA 18:7)

1. Institut radiotekhniki i elektroniki AN SSSR.



[illegible]: [illegible]

[illegible] for selecting a [illegible] functional parameter using a [illegible] computer. Izv. AN SSSR. Tekh. kib. no.3:29-41 My-Je 1963. (MIRA 18:7)

SHILKIN, P.M.; ZEL'VYANSKIY, Ya.A.; SIBAROV, Yu.G.; MILOVIDOV, L.G; KRAPIVIN, V.G.; OZADOVSKIY, I.N.; MOLIN, N.I.; VOROTNIKOVA, L.F., takhn. red.

[Safety engineering manual for operating the contact networks of a.c. electrified railroads] Pravila tekhniki bezopasnosti pri ekspluatatsii kontaktnoi seti peremennogo toka elektrifitsirovannykh zheleznykh dorog. Moskva, Transzheldorizdat, 1962. 139 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.)Glavnoye upravleniye elektrifikatsii i energeticheskogo khozyaystva. 2. Glavnoye upravleniye elektrifikatsii i energeticheskogo khozyaystva Ministerstva putey soobshcheniya (for Zel'vyanskiy). 3. Moskovskaya zheleznaya doroga (for Milovidov). 4. Gor'kovskaya zheleznaya doroga (for Krapivin). 5. Vostochno-Sibirskaya zheleznaya doroga (for Molin). 6. TSentral'nyy komitet professional'nogo soyuza rabochikh zheleznodorozhnogo transporta (for Sibarov) .

(Electric railroads--Wires and wiring)
(Electric railroads--Safety regulations)

KRATIVIN, V. K.

"Typical Designs and Prospects for the Development of High-Amperage Dismountable Mercury-Arc Rectifiers," reported in the Article "First All-Union Scientific and Technical Session on Mercury-Arc Rectifiers," Elektrichestvo, No. 11, 1949.

Chief Designer of the Mercury-Arc Rectifier Division of the Plant.

Abstract W-9395, 10 Apr 1950.

1. KRAPIVIN, V.K.

2. USSR (600)

4. Electric Engineers

7. Sixtieth birthday anniversary and thirty years of engineering and scientific activity, Elektrichestvo no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

FOTIN, V.P.; AKOPYAN, A.A.,red.; ANDRIANOV, K.A.,red.; BIRYUKOV, V.G.,glavnyy red.; BUTKEVICH, Yu.V.,zamestitel' glavnogo red.; GRANOVSKIY, V.L., red.; KALITVYANSKIY, V.I.,red.; KLYARFEL'D, B.N.,red.; KRAPIVIN, V.K., red.; TIMOFEYEV, P.V.,red.; FASTOVSKIY, V.G.,red.; TSEYROV, Ye.M., red.; SHEMAYEV, A.M.,red.; DEMKOV, Ye.D.,red.; FRIDKIN, A.M.,tekhn. red.

[Voltage increase on long a.c. lines during nonsymmetric short circuits to ground] Povyshenila napriazhenii v dlinnykh liniiakh peremennogo toka pri nesimmetrichnykh korotkikh zamykaniiakh na zemliu. Moskva, Gos.energ.izd-vo, 1958. 223 p. (Moscow. Vsesoiuznyi elektrotekhnicheskii institut. Trudy, no.64) (MIRA 12:2)
(Electric lines) (Short circuits)

KRAPIVIN, V.K., dotsent, laureat Stalinskoy premii

Review of R.I. Miroshnichenko's brochure "Inverse firing in mercury rectifiers and methods for eliminating it." Elek. i tepl. tiaga 4 no. 12:40-41 D '60. (MIRA 14:1)
(Mercury-Arc rectifiers)

ERAPIVINA, A.N.

Meadows of the Tym' Valley. Soob.Sakhal.fil. AN SSSR no.3:59-64 '56. (MLRA 10:7)

(Tym' Valley--Pastures and meadows)

KRAPIVINA, A. T.

"Variation in Sucking Power of Leaves in Egyptian Cotton Caused by Different Irrigation Regimes," Dokl. Ak. Nauk SSSR, 47, No. 9, 1945.

Vakhsk Soil-Reclamation Sta., Tadzhik Affil, Acad. Sci USSR

KRAPIVINA, A.T.

Increase in the salt tolerance of Egyptian cotton plants. Trudy Inst.fiziol.rast. 6 no.1:166-179 '48. (MLRA 9:9)

1.Tadzhikskiy filial AN SSSR, Vakhshskaya pochvenno-meliorativnaya stantsiya.
(Plants, Effect of salts on) (Cotton)

KRAPIVINA, A. T.

"The Irrigation of Fine-Fibered Cotten Under the Conditions in the Vakhsh Valley." Cand Biol Sci, Inst of Plant Physiology imeni K. A. Kimiryazev, Acad Sci USSR, 19 Nov 54. (VM , 9 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

COUNTRY : USSR
CATEGORY : Plant Physiology. Water Regimen. I

ABS. JOUR. : RZhBiol., No.6 1959, No. 24553

AUTHOR : Genkel', P.A.; Krapivina, A.T.
INST. : Academy of Sciences, USSR
TITLE : On Cuticular Transpiration of Plants

ORIG. PUB. : V sb.: Pamyati akad. N.A. Maksimova, 1957, 32-41

ABSTRACT : The mid-day rate of transpiration of leaves of long-fibered cotton growing in Vakhshskaya valley steadily dropped during the growing season. The authors explain this decrease by the aging of cuticular transpiration. Determination of cuticular transpiration in leaves of oak (Quercus) and birch (Betula) in Moscow showed that it was considerably higher in young plants than in old ones. Cuticular transpiration in apricot (Prunus armeniaca and apple (Pyrus malus) in Central Asia, although also

CARD: 1/2

COUNTRY :
CATEGORY :

I

ABS. JOUR. : RZhBiol., No. 6 1959, No. 24553

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : decreasing with age, remains at a high level all during the growing season, which is an adaptation of the plants to the reduction of leaf temperature in conditions of very warm climate. The authors consider the reduction of cuticular transpiration as the plants age as a manifestation of the biogenetic law in plants. Bibliography of 33 titles.— T. F. Vorotskaya.

CARD: 2/2

KRAPIVINA, A.T.

Irrigation of cotton based on the suction force of leaves. Fiziol. rast. 10 no.1:111-116 Ja-F '63. (MIRA 16:5)

1. g. Osh, Kirgizskaya SSR.
(Kirghizistan--Cotton--Irrigation)

GORSHIN, S.N.; KRAPIVINA, I.G.

Effect of various sources of moistening on lumber infected by fungi causing the bluing of wood. Nauch. trudy TSNIIMOD no.12:92-110 '62.

Studying the resistance of lumber infected by fungi causing the bluing of wood to the complex of wood-decaying agents inhabiting soil. Ibid.:111-118

Identification of fungi causing the bluing of wood based on the macroscopic signs of lumber infection. Ibid.:119-130

(MIRA 16:12)

KRAPIVINA, I.G.

Changes in wood caused by mold fungi. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no.5:47-51 S-O '62. (MIRA 15:11)

1. Kafedra nizshikh rasteniy Moskovskogo universiteta.
(Molds (Botany)) (Wood--Chemistry)

KRAPIVINA, I.V. [deceased]

Extention of plasma beyond the limits of the discharge space. (MIRA 11:11)
Trudy VEI no.63:38-47 '58.
(Electric discharges through gases)

KRAPIVINA, Praskov'ya Mikhaylovna

Contamination of Atmospherical Air (G. Saratov)

Dissertation for candidate of a Medical Science degree. Chair of Hygiene, (head, Prof. L.I. Los') Saratov Medical Institute, 1948

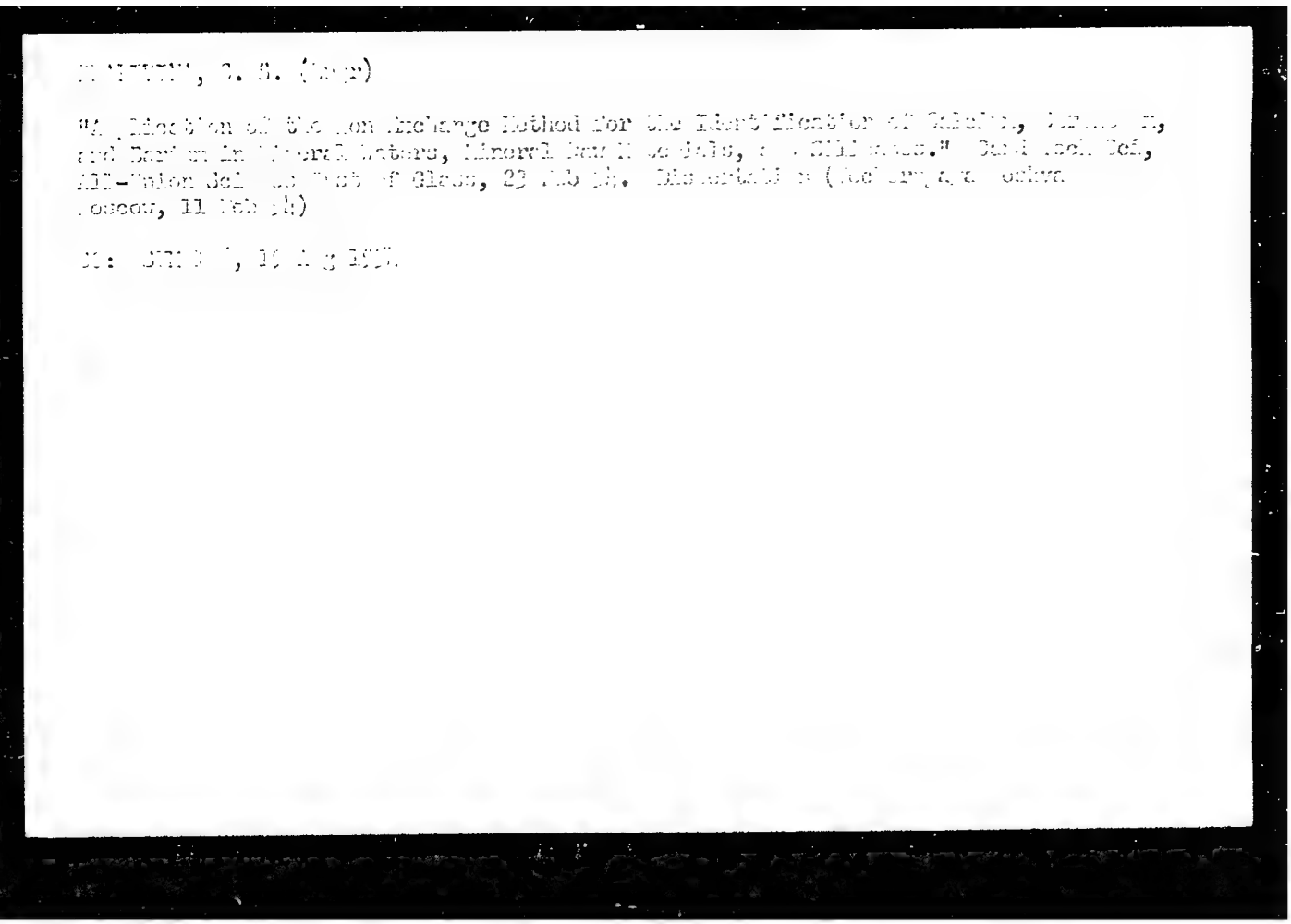
1. USTINOVA, T. I., KRAPIVINA, S. S.

2. USSR (600)

4. Springs-Kamchatka Peninsula

7. Conditions of discharge and chemism of the springs in the reservations on the Kamchatka Peninsula.
Trudy Lab. gidrogeol. probl. 10, 1951

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.



15-57-1-532

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, p 85 (USSR)

AUTHOR: Krapivina, S. S.

TITLE: The Determination of Arsenic in Mineral Waters (Opredeleniye mysh'yaka v mineral'nykh vodakh)

PERIODICAL: V sb: Vopr. izucheniya kurort. resursov SSSR, Moscow, Medgiz, 1955, pp 189-193.

ABSTRACT: In the earlier known method of V. I. Adamovich and A. I. Rybnikova (Zavod. laboratoriya, 1957, Nr 4, 487) for the determination of arsenic in fresh waters, the author made a substitution in the reducing agent for arsenic, from difficultly obtainable sodium hypophosphite to a freshly prepared solution of $SnCl_2$. The method is given below. To a measured quantity of water that is to be examined, 0.5 ml of 10 percent solution of iron-aluminum alum is added. The mixture is heated to boiling, 10 percent NH_4OH is added until the iron is completely precipitated, and it is placed

Card 1/2

The Determination of Arsenic in Mineral Waters (Cont.)

for 15 to 20 minutes in a water bath. The precipitate is filtered off through a white-ribbon filter and washed in hot water containing several drops of ammonia, until the reaction with Cl^- disappears. The precipitate is dissolved on the filter by hot HCl (1:1) and the solution is washed into a 20-ml test tube of colorless glass. To this solution, which should not have a volume greater than 5 ml to 7 ml, add 1 ml $CuSO_4$ (one percent solution in HCl 1:1) and 5 ml freshly prepared $SnCl_2$. At the same time a scale of standard solutions of arsenic is prepared. For this purpose 0.1 ml to 1 ml standard solution of arsenic anhydride, 1 ml of which contains 0.10 mg of As, is measured off from a microburette into a 20 ml test tube. To this are added 2 to 3 drops of 10 percent solution of iron chloride, 1 ml $CuSO_4$, and 5 ml $SnCl_2$. The test tubes with the water sample and with the standard are heated simultaneously in a water bath for 20 to 30 minutes. They are then cooled and examined with a colorimeter. The experiments of the author have shown that this method may be used to determine As in concentrations of 0.010 mg to 60 mg per liter of water.

Ye. S. K.

Card 2/2

KRAPIVINA, S.S.

BAKHMAN, V.I.; KRAPIVINA, S.S.

[Analysis of mineral waters] Analiz mineral'nykh vod. Moskva, Medgiz, 1956. 167 p. (MLRA 10:4)
(MINERAL WATERS--ANALYSIS)

BAKHMAN, Varvara Ivanovna; KRAPIVINA, Sof'ya Sergeyevna; PLORENSKIY, Kirill Pavlovich; PALEY, P.N., prof., red.; GROSSMAN, I.L., tekhn.red.

[Analysis of mineral waters] Analiz mineral'nykh vod. Izd.2. Moskva, Gos.nauchno-issl. in-t kurortologii i fizikoterapii, 1960. 223 p. (MIRA 13:5)
(Mineral waters--Analysis)

S/137/61/000/010/039/056
A006/A101

AUTHORS: Krapivina, T.G., Novikov, I.I., Rogel'berg, I.L.

TITLE: Grain growth and softening of nickel of different purity during annealing

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 10, 1961, 22-23, abstract 10I165 ("Tr. Gos. n.-i. i proyektn. in-ta po obrabotke tsvetn. met", 1960, no. 18, 118 - 123)

TEXT: The authors studied the effect of the chemical composition on the grain size of the following grades of commercially pure Ni and high-purity Ni: 1) Ni of 99.99% purity in the form of cathodes which were not remelted; 2) the same Ni subjected to degassing in a 10^{-5} mm Hg vacuum at 1,200°C for 40 minutes; 3) remelted cathode Ni containing 0.18% O; 4) the same deoxidized with 0.2% Mg; 5) the same deoxidized with 0.1% C; 5) the same deoxidized with 0.1% C, 0.08% Si and 0.08% Mg (a complex deoxidizer). The specimens were first hot rolled and then subjected to cold rolling with 50% reduction. Microstructure and hardness were studied on specimens, annealed at 500-900°C during 10, 20, 40, 80, 160, 320 and 640 minutes. All Ni grades, excepted that deoxidized with the complex de-

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oxidizer, were fully softened after annealing at 500°C. For the softening of the latter, annealing during many hours at 600°C is required. The hardness of fully annealed specimens varies within 20 - 40 units on the R_{30-m} scale. Cathode Ni, annealed under any conditions, is always much harder than the same Ni which was preliminarily degassed in a vacuum. The grain size of all Ni grades, except the one deoxidized with the complex deoxidizer, varies within 20 - 40 μ after 1 hour annealing at 700 - 900°C. The grain size of Ni deoxidized with 0.1% C varies unusually during annealing: an increase of the annealing temperature from 600 to 700°C entails a reduced grain size (from 60 - 70 to about 20 μ). Ni deoxidized with the complex deoxidizer, showed the greatest proneness to grain growth. This is probably explained by the specific effect of Si. This viewpoint is confirmed by the intensity of the grain growth in the binary Ni alloy with 0.21% Si. The strong coarsening of the grains can be explained by the fact that Ni, deoxidized with the complex deoxidizer, was well desulfurized with Mg.

N. Sladkova

[Abstracter's note: Complete translation]

Card 2/2

GOLYAND, S.M.; KUPIYNNA, T.K.; LAZAREV, V.I.

Isotopic exchange of hydrogen sulfide with the products of its sorption on catalytic and activated carbon. Zhur. fiz. khim. 36 no.6:1320-1324 Je'62 (MIRA 17:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut po promyshlennoy i sanitarnoy ochistke gazov.

KOSHELEV, V.N., dotsent; KRAPIVINA, T.Ya., vrach; AVER'YANOV, Yu.F., vrach

Use of a new muscle relaxant bromotilin in anesthesiology. Stor. nauch. rab. Sar. gos. med. inst. 44:266-271 '64. (MIRA 18:7)

1. Iz kafedry fakul'tetskoy khirurgii imeni Mirotvortseva (zav. - prof. I.M. Popov'yan [deceased]) Saratovskogo meditsinskogo instituta (rektor - dotsent N.R. Ivanov).

D'YACHKOVA, V.A.; KRAPIVINA, T.Ya.

Use of modern methods of general anesthesia in gynecological operations. Kaz.med.zhur. no.4:38-40 Jl-Ag '62. (MIRA 15:8)

1. Akushersko-ginekologicheskaya klinika (zav. - prof. A.M.Foy) lechebnogo fakul'teta Saratovskogo meditsinskogo instituta i anesteziologicheskoye otdeleniye 1-y klinicheskoy bol'nitsy Saratova.

(ANESTHESIA) (GYNECOLOGY)

LETAVET, A.A., prof., red.; KOSILOV, S.A., prof., red.; ZOLINA, Z.M., kand. biol. nauk, red.; KRAPIVINTSEVA, S.I., kand. med. nauk, red.; PODOBA, Ye.V., kand. med. nauk, red.; SOLOV'YEVA, V.P., kand. med.nauk, red.; ALTUKHOV, G.V., red.; BALDINA, N.F., tekhn. red.

[Research on the physiology of work processes]Issledovaniia po fiziologii trudovykh protsessov. Pod obshchei red. A.A.Letaveta. Moskva, Medgiz, 1962. 279 p. (MIRA 16:2)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Letavet).
(WORK)

KRAPIVINTSEVA, S.I.

Conference on the problem of the physiology of work. Gig.i san. no.3:55-58 Mr '54. (MLRA 7:2)

(Physiology) (Work)

ZOLINA, Zoya Mikhaylovna; KRAPIVINTSEVA, Stefaniya Ivanovna

[Proper organization of rest periods during work insures health] Pravil'naia organizatsiia pereryvov v rabote - zalog zdorov'ia. Moskva, Medgiz, 1955. 19 p. (MLRA 9:11)
(REST)

KRAPIVINTSEVA, S.I., kandidat meditsinskikh nauk.,; SHEFER, S.S.

Hygiene and physiology of labor in assembling of exact measurement instruments. Gig. i san. 21 no.2:26-32 F '56 (MLRA 9:6)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy AMN SSSR

(INDUSTRIAL HYGIENE
in assembling exact measurement instruments)

KRAPIVINTSEVA, S.I., kand.med.nauk

Conference of labor physiologist on methogological problems.
Vest.AMN SSSR 13 no.8:66-68 '58 (MIRA 11:8)
(PHYSIOLOGY)
(WORK)

KRAPIVINTSEVA, S.I.

ZOLINA, Z.M.; KRAPIVINTSEVA, S.I.; BABAYEVA, Ye.A.; PODOBA, Ye.V.

Physiological basis for timing conveyor work performance [with summary in English]. Fiziol. zhur. 44 no.2:89-96 F '58. (MIRA 11:5)

1. Laboratoriya fiziologii truda Instituta gigiyeny truda i profzabolevaniy AMN SSSR, Moskva.

(PHYSICAL EFFICIENCY
timing of conveyor work performance, physiol. bases of variations of fitness within working day (Rus)
(WORK
same)

LETAVET, A.A., prof., red.; KOSILOV, S.A., prof., doktor biolog.nauk, red.; ZOLINA, Z.M., kand.biolog.nauk, red.; KRAPIVINTSEVA, S.I., kand. med.nauk, red.; OKHNYANSKAYA, L.G., kand.med.nauk, red.; PAVLOVA, T.N., kand.med.nauk, red. [deceased]; POLEZHAYEV, Ye.F., red.; ZAKHAROVA, A.I., tekhn.red.

[Materials on the physiological basis of working processes] Materialy k fiziologicheskomu obosnovaniiu trudovykh protsessov. Pod obshchei red. A.A.Letavets i S.A.Kosilova. Moskva, Gos.izd-vo med. lit-ry, 1960. 286 p. (MIRA 13:10)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut gigiyeny truda i profzabolevaniy. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Letavet). 3. Institut gigiyeny truda i profzabolevaniy AMN SSSR (for Kosilov, Zolina, Krapivintseva, Okhnyanskaya, Pavlova).
(INDUSTRIAL HYGIENE) (PHYSIOLOGY)

KRAPIVINTSEVA, S.I. (Moskva)

Importance of a brief interruption in the work process for the maintenance of optimum efficiency among workers on assembly line production. Gig. truda i prof. zab. 4 no. 7:7-11 Jl '60. (MIRA 13:8)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.
(REST PERIODS) (INDUSTRIAL EFFICIENCY)

KRAPIVINTSEVA, S.I.; ARTAMONOV, V.N.; GALETSKAYA, O.I.

Features of functional changes in adolescents during training at industrial schools in the morning and evening shifts. Gig.i san. 25 no.9:110-113 S '60. (MIRA 13:9)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy AMN SSSR i Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.
(ADOLESCENTS) (SCHOOL HYGIENE)

KRAPIVINTSEVA, S.I.; GALETSKAYA, O.I.; ARTAMONOV, V.N.; MALINSKAYA, N.N.

Development of physical fitness of the adolescent organism during the first year of industrial training. Fiziol. zhur. 46 no.11:1394-1400 N '60. (MIRA 13:11)

1. From the Institute of Occupational Hygiene and Professional Diseases and the Erisman Research Institute of Sanitation and Hygiene, Moscow.
(VOCATIONAL EDUCATION) (PHYSICAL FITNESS)

KRAPIVINTSEVA, S.I.; GALETSKAYA, O.I.; ARTAMOV, V.N.; MALINSKAYA, N.N.

Functional state of the motor analyzer and of the cardiovascular system as an indication of the degree of physical training of juveniles and as a basis for setting up the pattern for the first year of industrial education. Uch.zap. Mosk. nauch.-issl. inst.san. i gig. no.2:33-36 '59. (MIRA 16:11)

1. Institut gigiyeny truda i professional'nykh zabolevaniy AMN SSSR i Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny imeni F.F.Erismana.

KRAPIVINTSEVA, Stefaniya Ivanovna; KUZNETS, Ye.I., red.

[Correct organization of work and rest] Pravil'naia organizatsiia truda i otdykha. Moskva, Meditsina, 1965. 31 p. (MIRA 18:12)

S/128/61/000/005/002/005
A054/A127

AUTHORS: Matveyev, V.D., Meshkov, D.A., Malakhov, I.F., Krapivka, N.A.

TITLE: Air-tight ladle for adding magnesium to cast iron

PERIODICAL: Liteynoye proizvodstvo, no. 5, 1961, 41

TEXT: After 2 years' experience with the 1.5 and 4.5 ton air-tight ladles designed by the TsNIITMASh for the magnesium modification of iron it was found, that, if securing the cover to the ladle with eccentric screws or wedges it was not possible to obtain the air-tightness required. At the NKMZ a new device has been developed to fasten the cover to the ladle. It is based on the principle of a "gun-type" stopper and consists of a double thread with a four-fold coil having a rectangular section and a 40-mm pitch. The angle of inclination of the thread is $2^{0}30'$. After making the thread one coil is removed while actually one coil takes part in the operation. The new device eliminates any wedging and ensures a normal tightening at various thicknesses of the insert. The latter is made of asbestos, covered with graphite and lubricated with oil; its size is 10x10 mm for the ladle and 22x22 mm for the cover. The tests carried out show that the device ensures air-tightness as well as an efficient assembly of the cover and ladle. There are 3 figures.

Card 1/1

SHALIMOV, A.A.; KRAPIVKIN, A.A.; SPIVAK, V.N.; TOPOROV, G.N. (Khar'kov, 82, Moskovskiy prospekt, d.190/5, kv.156)

Rare case of the shunt of arterial blood from the aorta through the coronary artery clinically simulating a defect of the interventricular septum. Grud. khir. 6 no.5:111-112 S-O '64.
(MIRA 18:4)

KRAPIVKINA, L.S.

Investigating the stability of phosphate films on AMts, AMg, and D-16 aluminum alloys in benzine and water-benzine media at normal temperature and during its modification. Uch. zap. MGPI no.146: 202-205 '60. (MIRA 15:4)
(Phosphate coating--Testing) (Aluminum alloys--Corrosion)

S/081/62/000/002/102/107
B110/B101

AUTHORS: Karmanova, L. S., Krapivkina, L. S., Amelina, V. Ya.

TITLE: Use of new paint and varnish materials for applying marks to concrete equipment of airports

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962, 603, abstract 2P274 (Lakokrasochn. materialy i ikh primeneniye, no. 3, 1961, 67)

TEXT: A mixture (1:1) of perchlorovinyl enamels of the types ХСЭ (KhSE) with ethinol varnish was successfully used for applying marks to concrete surfaces of airports. [Abstracter's note: Complete translation.]

Card 1/1

KRAPIVKO, I.I. [Krapyvko, I.I.], inzh.; SHABEL'NIK, B.P. [Shabel'nyk, B.P.], inzh.

Hydraulic manure loader. Mekh.sil'.hosp. 10 no.1:23-24 Ja '59. (MIRA 12:4)

(Farm manure)
(Agricultural machinery--Hydraulic equipment)

KRAPIVKO, T.N., inzh.; STEPANOVA, A.I., inzh.

Quality of white and colored cements. TSement 31 no.1:15-16 Ja-F '65. (MIRA 18:4)

1. Shchurovskiy tsementnyy zavod.

KRAPIVNER, G.L., inzh.; FEL'DBLIT, I.A., inzh.

Plastic bus-bar support for channel bus bars. Elek. sta. 29 no.7:86-87 Jl '58. (MIRA 11:10)

(Bus conductors (Electricity))

CHERKASSKIY, Yefim Borisovich; ALEKSEYEV, Boris Vasil'yevich; KRAPIVNER, I.L., red.; D'YACHENKO, V.M., red.; SAVEL'YEVA, Z.A., tekhn. red.

[Utilization of stationary diesel engines at grain elevators and grain-receiving stations] Ekspluatatsiia statsionarnykh dizelei na elevatorakh i khlebopriemnykh punktakh. Pod red. I.L.Krapivnera. Moskva, Zagotizdat, 1962. 162 p. (MIRA 16:11)

(Diesel engines) (Grain handling)

KRAPIVNER, L. M.

KRAPIVNER, L. M. A textbook abounding in mistakes and inaccuracies.

Source: Veterinariya; 25; 9; September 1948; uncl
TAECON

KRAYNER, L. M.

25903. KRAYNER, L. M. Analiz veterinarno-sanitar-noy raboty. Veterinariya, 1949, No.8, S. 48-50.

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

KRAPIVNER, L. M. (Reviewer)

"Review of A. I. Gessen's book Hygiene and Sanitation in Food Industries," Gig. i. San., No.12, 1949

KRAPIVNER, L. M., Chief of Lab.
RPKh

"An analysis of veterinaro-sanitary work."
SO: Vet. 26 (8) 1949, p. 48 (TabCon)

Same as item 25903, 1949 Letopis' Zhurnal'nykh Statey, No. 34 (without position)

KRAPIVNER L. M.

Zoogigiena i profilaktika v ptitsevodstve (Animal Hygiene and Preventive Treatment in Poultry Farming). Riga, Latgosizdat, 1951, 132 pages with illustrations. In the Latvian language.

A handbook for the leading workers of sovkhozes, chiefs of poultry raising of kolkhozes and regular animal veterinary personnel.

U-4258

KRAPIVNER, L. M.

"Propaganda of zooveterinary skills - to the service of animal husbandry"

SO: Veterinariia 28(1), 1951, p. 9

KRAPIVNER, L. M.

PA 190T81

USSR/Medicine (Veterinary) - Meat Inspection Nov 51

"Improvement of Practice of Veterinary Meat Inspection in Connection With Shipment by Rail," L. M. Krapivner

"Veterinariya" Vol XXVIII, No 11, pp 40-45

Criticizes the transportation veterinary service for allowing various unsanitary, illegal, and inexpedient practices in connection with the shipment of meat by rail. Points out particularly that shipment of spontaneously cooled (rather than

190T81

USSR/Medicine (Veterinary) - Meat Inspection (Contd) Nov 51

refrigerated) meat is practiced in the winter, although this is illegal, that cooled meat is combined with refrigerated meat in one shipment, and that meat shipped to the Baltic region from the RSFSR, Ukrainian SSR, Belorussian SSR, Kazakh SSR, and Lituanian SSR in the author's experience often lacks the obligatory stamp and seals indicating the date of slaughtering and proving that the meat has been subjected to sanitary inspection.

190T81

KRAPIVNER, L. Reviewer

Stock and Stockbreeding

Book with defects ("Raising butchering cattle.") by F.P. LAptev. Mias ind. SSSR 23, No.3 1952

Monthly List of Russian Accessions, Library of Congress, September, 1952 UNCL.

KRAPIVNER, L.M.

"On the problem of instruction of zoohygene in the third year zootechnical groups."

SO: Veterinariia 29(9), 1952, p. 10

As translated in U-5638, 10 March 1954, p 38 it is "Problem of Teaching Animal Hygiene in Three-Year Courses in Animal Husbandry."

Extract. It is customary to regard present-day livestock hygiene as completely encompasing problems of animal care, Hygienic standards for barns for all species of animals, nutritional hygiene, as well as the study of environmental factors that contribute to increasing the animals' productivity.